

## APPENDIX C

# COMPLETION REPORT OF WELL No. B102A

Sheet 1 of 1

PROJECT: Congaree Levee  
PROJECT NO: 1611-00-937  
PROJECT LOCATION: Columbia, South Carolina

WATER LEVEL: 13 feet at time of boring,  
17.75 feet on 10/17/00.

DRILLING CONTRACTOR:

DRILLING METHOD: 4 1/4" H.S.A.

DATE DRILLED: 10/5/00

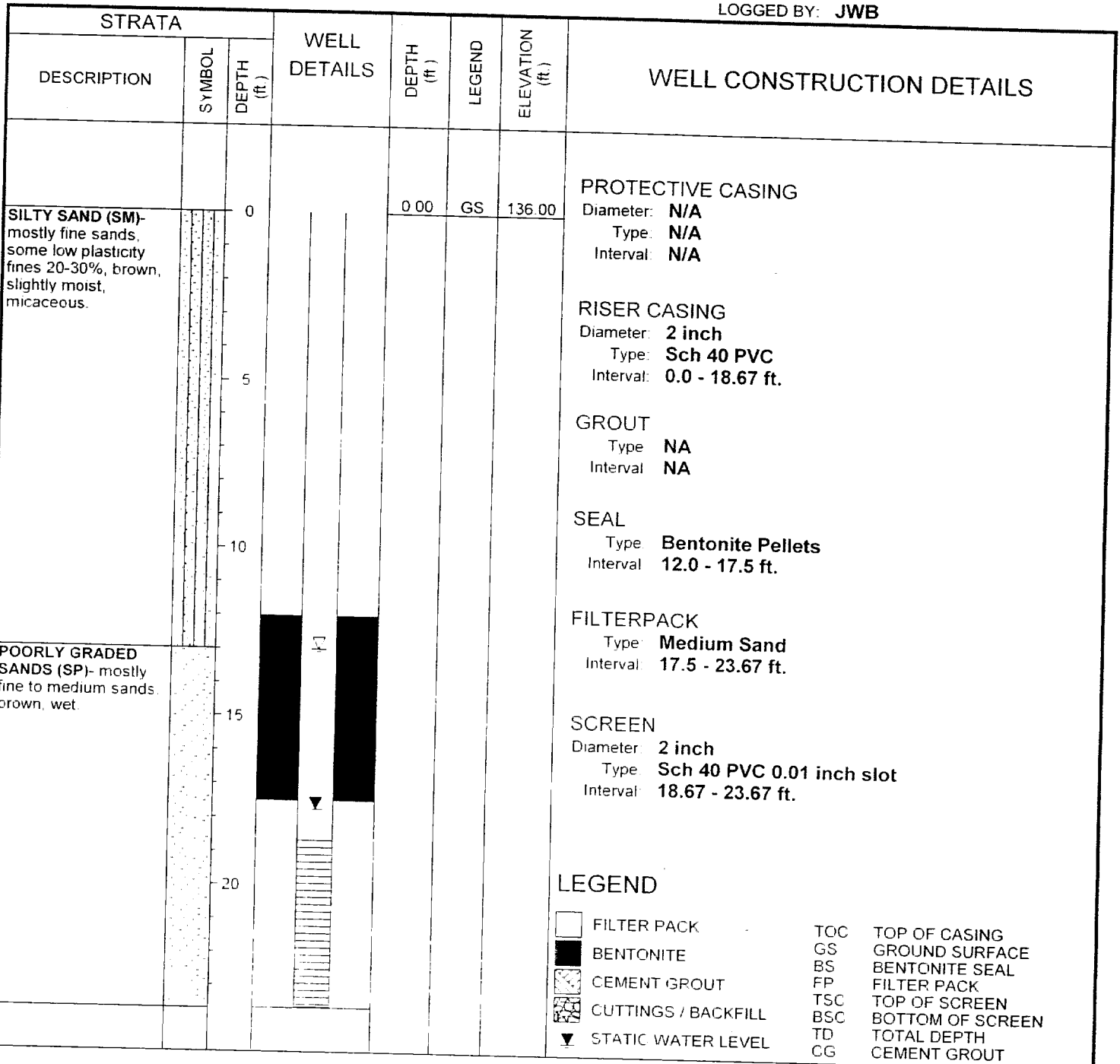
LATITUDE

LONGITUDE

TOP OF CASING ELEVATION: 136.00

DATUM: MSL

LOGGED BY: JWB



134 Suber Road  
Columbia, SC 29210

COMPLETION REPORT OF  
WELL No. B102A

Sheet 1 of 1

# COMPLETION REPORT OF WELL No. B102B

Sheet 1 of 1

PROJECT: **Congaree Levee**  
PROJECT NO: **1611-00-937**  
PROJECT LOCATION: **Columbia, South Carolina**

WATER LEVEL **Dry at time of boring. Dry on 10/6/00.**

DRILLING CONTRACTOR:

LATITUDE:

DRILLING METHOD: **4 1/4" H.S.A.**

LONGITUDE:

DATE DRILLED: **10/5/00**

TOP OF CASING ELEVATION: **137.10**

DATUM: **MSL**

LOGGED BY: **JWB**

STRATA			WELL DETAILS	DEPTH (ft.)	LEGEND	ELEVATION (ft.)	WELL CONSTRUCTION DETAILS
DESCRIPTION	SYMBOL	DEPTH (ft.)					
SILTY SAND (SM)- mostly fine sands, some low plasticity fines 20-30%, brown, slightly moist, micaceous		0		0.00	GS	136.00	PROTECTIVE CASING Diameter: <b>N/A</b> Type: <b>N/A</b> Interval: <b>N/A</b>
		5					RISER CASING Diameter: <b>2 inch</b> Type: <b>Sch 40 PVC</b> Interval: <b>-1.1 - 3.8 ft.</b>
							GROUT Type: <b>NA</b> Interval: <b>NA</b>
							SEAL Type: <b>Bentonite Pellets</b> Interval: <b>2 - 3.8 ft.</b>
							FILTERPACK Type: <b>Medium Sand</b> Interval: <b>3.8 - 8.8 ft.</b>
							SCREEN Diameter: <b>2 inch</b> Type: <b>Sch 40 PVC 0.01 inch slot</b> Interval: <b>3.8 - 8.8 ft.</b>
LEGEND							
	FILTER PACK						TOC TOP OF CASING
	BENTONITE						GS GROUND SURFACE
	CEMENT GROUT						BS BENTONITE SEAL
	CUTTINGS / BACKFILL						FP FILTER PACK
	STATIC WATER LEVEL						TSC TOP OF SCREEN
							BSC BOTTOM OF SCREEN
							TD TOTAL DEPTH
							CG CEMENT GROUT



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COMPLETION REPORT OF  
WELL No. B102B

Sheet 1 of 1

# COMPLETION REPORT OF WELL No. B126A

Sheet 1 of 1

PROJECT: **Congaree Levee**  
 PROJECT NO: **1611-00-937**  
 PROJECT LOCATION: **Columbia, South Carolina**

WATER LEVEL: **Dry at time of boring. Dry on 10/12/00.**

DRILLING CONTRACTOR:

LATITUDE:

LONGITUDE:

DRILLING METHOD: **4 1/4" H.S.A.**

TOP OF CASING ELEVATION **140.40**

DATE DRILLED: **10/3/00**

DATUM **MSL**

LOGGED BY **JWB**

STRATA			WELL DETAILS	DEPTH (ft.)	LEGEND	ELEVATION (ft.)	WELL CONSTRUCTION DETAILS
DESCRIPTION	SYMBOL	DEPTH (ft.)					
LEAN CLAY WITH SAND (CL)- mostly low to medium plasticity fines, some fine sands, brown, moist, micaceous		0		0.00	GS	140.00	PROTECTIVE CASING Diameter <b>N/A</b> Type <b>N/A</b> Interval <b>N/A</b>  RISER CASING Diameter <b>2 inch</b> Type <b>Sch 40 PVC</b> Interval <b>-0.4 - 1.5 ft.</b>  GROUT Type <b>NA</b> Interval <b>NA</b>  SEAL Type <b>Bentonite Pellets</b> Interval <b>0.1 - 1.5 ft.</b>  FILTERPACK Type <b>Medium Sand</b> Interval <b>1.5 - 6.5 ft.</b>
SILTY SAND (SM)- mostly fine sands, some low plasticity fines, light brown, moist, micaceous		5					SCREEN Diameter <b>2 inch</b> Type <b>Sch 40 PVC 0.01 inch slot</b> Interval <b>1.5 - 6.5 ft.</b>  LEGEND <div>  FILTER PACK   BENTONITE   CEMENT GROUT   CUTTINGS / BACKFILL   STATIC WATER LEVEL                         </div> <div>                     TOC TOP OF CASING                      GS GROUND SURFACE                      BS BENTONITE SEAL                      FP FILTER PACK                      TSC TOP OF SCREEN                      BSC BOTTOM OF SCREEN                      TD TOTAL DEPTH                      CG CEMENT GROUT                 </div>



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COMPLETION REPORT OF  
 WELL No. B126A

Sheet 1 of 1

MONITORING WELL 00-937A-GPJ-SC-ME-GDT-10/25/00

# COMPLETION REPORT OF WELL No. B126B

Sheet 1 of 1

PROJECT: Congaree Levee  
PROJECT NO: 1611-00-937  
PROJECT LOCATION: Columbia, South Carolina

WATER LEVEL 7.5 feet at time of boring, Dry on 10/12/00.

DRILLING CONTRACTOR:

LATITUDE

LONGITUDE









DRILLING METHOD: 4 1/4" H.S.A.

TOP OF CASING ELEVATION 122.30

DATE DRILLED: 10/4/00

DATUM: MSL

LOGGED BY: JWB

STRATA			WELL DETAILS	DEPTH (ft.)	LEGEND	ELEVATION (ft.)	WELL CONSTRUCTION DETAILS
DESCRIPTION	SYMBOL	DEPTH (ft.)					
LEAN CLAY WITH SAND (CL)- mostly low to medium plasticity fines, some fine sands 20-30%, brown, moist to very moist, micaceous, grades to sandy silt		0		0.00	GS	118.00	<p><b>PROTECTIVE CASING</b> Diameter: N/A Type: N/A Interval: N/A</p> <p><b>RISER CASING</b> Diameter: 2 inch Type: Sch 40 PVC Interval: -4.25 - 0.9 ft.</p> <p><b>GROUT</b> Type: NA Interval: NA</p> <p><b>SEAL</b> Type: Bentonite Pellets Interval: 0 - 0.9 ft.</p> <p><b>FILTERPACK</b> Type: Medium Sand Interval: 0.9 - 5.9 ft.</p> <p><b>SCREEN</b> Diameter: 2 inch Type: Sch 40 PVC 0.01 inch slot Interval: 0.9 - 5.9 ft.</p> <p><b>LEGEND</b></p> <div>  FILTER PACK   BENTONITE   CEMENT GROUT   CUTTINGS / BACKFILL   STATIC WATER LEVEL </div> <div> <p>TOC TOP OF CASING GS GROUND SURFACE BS BENTONITE SEAL FP FILTER PACK TSC TOP OF SCREEN BSC BOTTOM OF SCREEN TD TOTAL DEPTH CG CEMENT GROUT</p> </div>
POORLY GRADED SAND (SP)- mostly fine to coarse sand, wet, mottled brown		5					
		10					



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ENGINEERING • TESTING  
ENVIRONMENTAL SERVICES

134 Suber Road  
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COMPLETION REPORT OF  
WELL No. B126B

Sheet 1 of 1

MONITORING WELL 00-037A G.P.J. S&ME G.O.T. 10/25/00

# COMPLETION REPORT OF WELL No. B127A

Sheet 1 of 1

PROJECT: Congaree Levee  
PROJECT NO: 1611-00-937  
PROJECT LOCATION: Columbia, South Carolina

WATER LEVEL Dry at time of boring. Dry on 10/13/00.

DRILLING CONTRACTOR:

DRILLING METHOD: 4 1/4" H.S.A.

DATE DRILLED: 10/3/00

LATITUDE

LONGITUDE

TOP OF CASING ELEVATION: 144.50

DATUM: MSL

LOGGED BY: JWB

STRATA			WELL DETAILS	DEPTH (ft.)	LEGEND	ELEVATION (ft.)	WELL CONSTRUCTION DETAILS
DESCRIPTION	SYMBOL	DEPTH (ft.)					
		0		0.00	GS	144.00	PROTECTIVE CASING Diameter: N/A Type: N/A Interval: N/A
SANDY LEAN CLAY (CL)- mostly low to medium plasticity fines, some fine sands 35-50%, brown, moist, micaceous.							RISER CASING Diameter: 2 inch Type: Sch 40 PVC Interval: -.5 - 16.05 ft.
SILTY SAND (SM)- mostly fine sands, some low plasticity fines, reddish brown, slightly moist, micaceous, commonly grades to silty sand (Fill)		5					GROUT Type: NA Interval: NA
							SEAL Type: Bentonite Pellets Interval: 12.8 - 16.05 ft.
SILTY SAND (SM)- mostly fine sands, some low plasticity fines, light brown, slightly moist to dry micaceous.		10					FILTERPACK Type: Medium Sand Interval: 16.05 - 21.05 ft.
							SCREEN Diameter: 2 inch Type: Sch 40 PVC 0.01 inch slot Interval: 16.05 - 21.05 ft.
		15					
		20					



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COMPLETION REPORT OF  
WELL No. B127A

Sheet 1 of 1

MONITORING WELL 10-937A GPJ S&ME GDT 10/25/00

# COMPLETION REPORT OF WELL No. B141A

Sheet 1 of 1

PROJECT: Congaree Levee  
PROJECT NO: 1611-00-937  
PROJECT LOCATION: Columbia, South Carolina

WATER LEVEL: Dry at time of boring. Dry on 10/18/00.

DRILLING CONTRACTOR

DRILLING METHOD 4 1/4" H.S.A.

DATE DRILLED 10/3/00

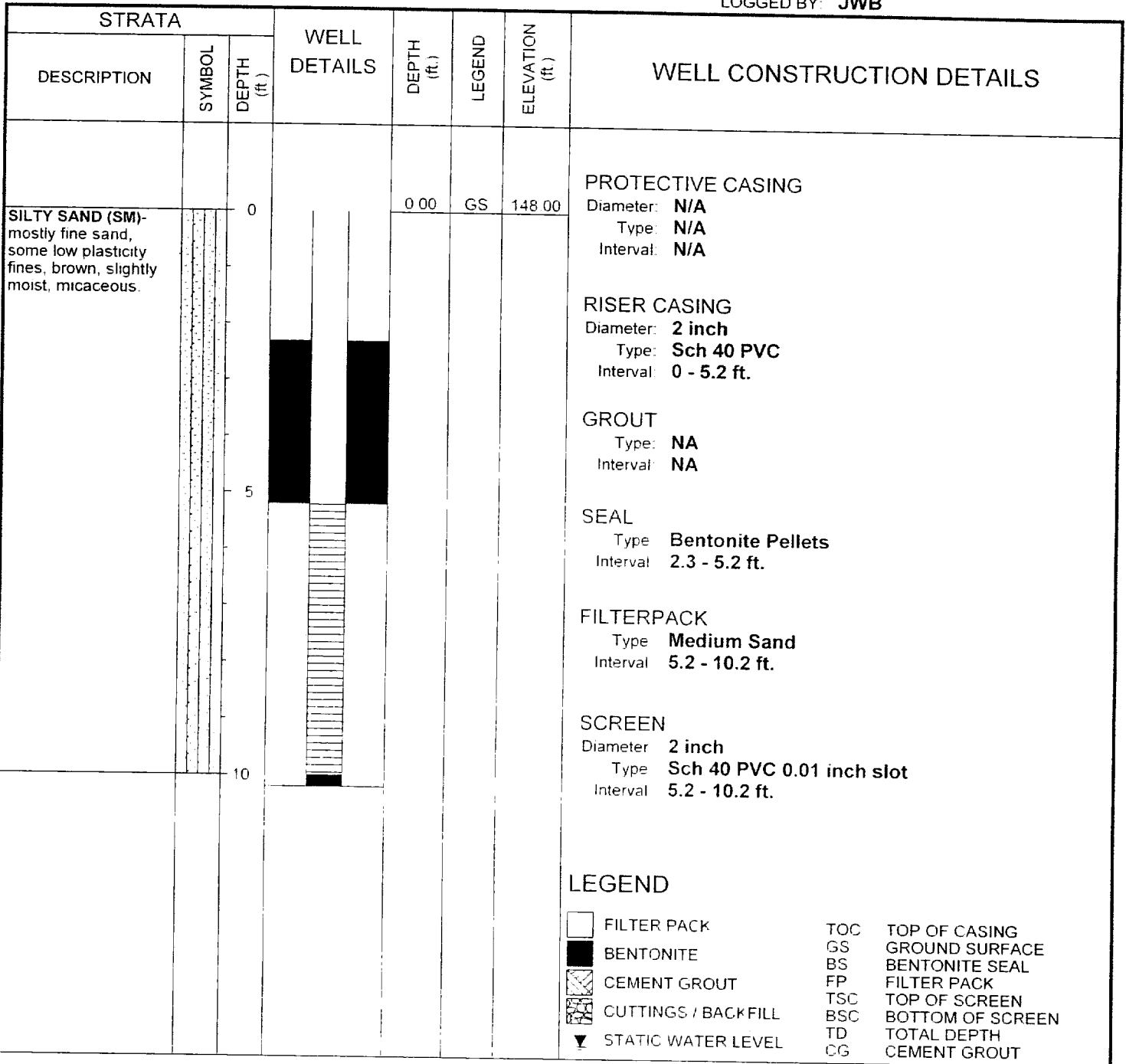
LATITUDE:

LONGITUDE:

TOP OF CASING ELEVATION: 148.00

DATUM: MSL

LOGGED BY: JWB



MONITORING WELL 00-937A G.P.J. S&ME GDT 10/25/00



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COMPLETION REPORT OF  
WELL No. B141A

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# COMPLETION REPORT OF WELL No. B141B

Sheet 1 of 1

PROJECT: Congaree Levee  
PROJECT NO: 1611-00-937  
PROJECT LOCATION: Columbia, South Carolina

WATER LEVEL: Dry at time of boring. Dry on 10/13/00.

DRILLING CONTRACTOR:

DRILLING METHOD: 4 1/4" H.S.A.

DATE DRILLED: 10/3/00

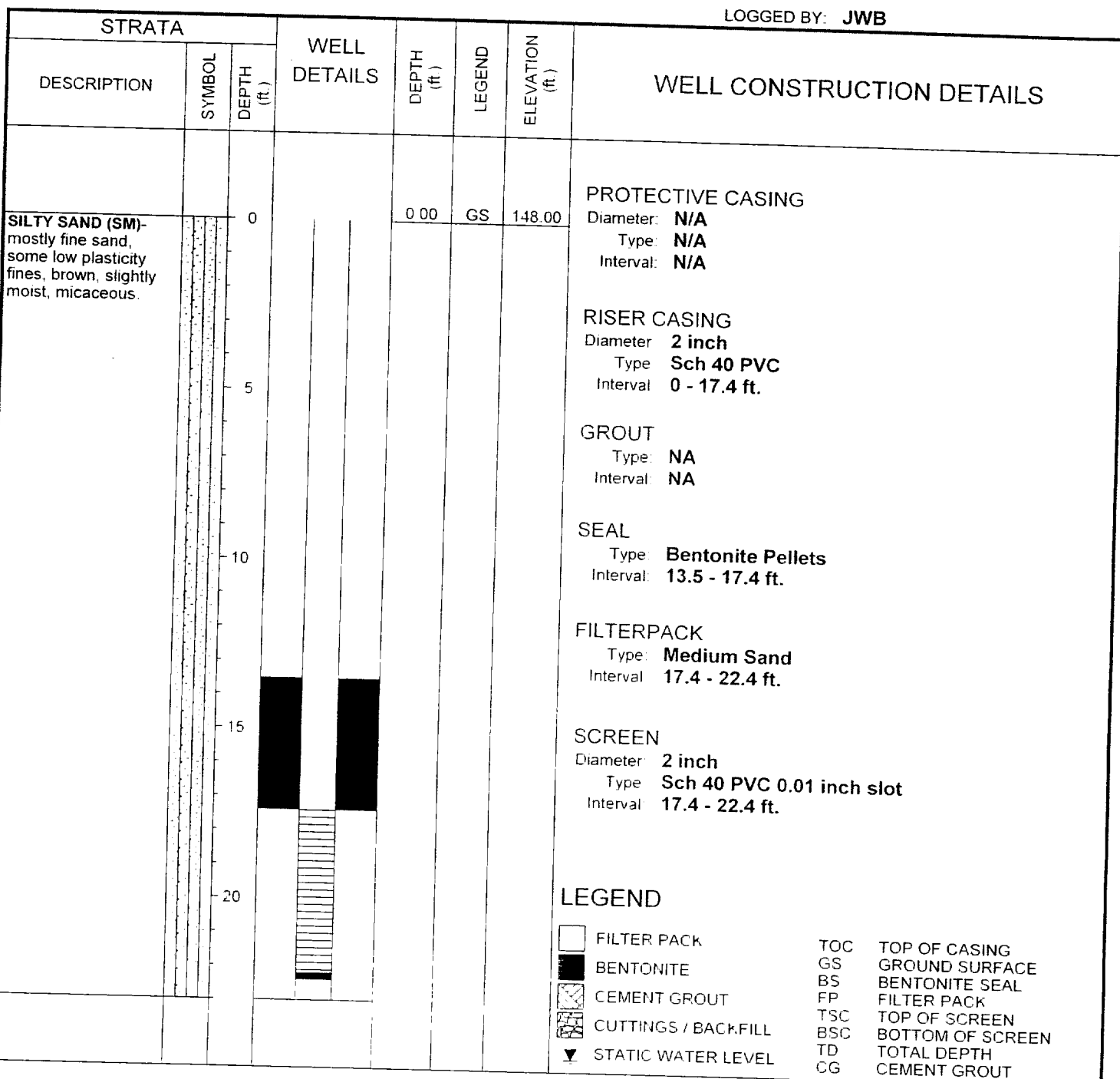
LATITUDE:

LONGITUDE:

TOP OF CASING ELEVATION: 148.00

DATUM: MSL

LOGGED BY: JWB



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COMPLETION REPORT OF  
WELL No. B141B

Sheet 1 of 1

NOTHING WELL 00-037A GPJ S&ME GDT 10/25/00

# COMPLETION REPORT OF WELL No. B240A

Sheet 1 of 1

PROJECT: Congaree Levee  
PROJECT NO: 1611-00-937  
PROJECT LOCATION: Columbia, South Carolina

WATER LEVEL: Dry at time of boring. Dry on 10/16/00.

DRILLING CONTRACTOR

DRILLING METHOD 4 1/4" H.S.A.

DATE DRILLED 10/4/00







LATITUDE:

LONGITUDE:

TOP OF CASING ELEVATION: 134.00

DATUM: MSL

LOGGED BY: JWB

STRATA			WELL DETAILS	DEPTH (ft.)	LEGEND	ELEVATION (ft.)	WELL CONSTRUCTION DETAILS
DESCRIPTION	SYMBOL	DEPTH (ft.)					
LEAN CLAY (CL)- mostly low to medium plasticity fines, some fine sands 15-25%, moist to slightly moist, grades to silt commonly, occasional silty sand lenses.		0		0.00	GS	134.00	<p><b>PROTECTIVE CASING</b> Diameter N/A Type N/A Interval N/A</p> <p><b>RISER CASING</b> Diameter 2 inch Type Sch 40 PVC Interval 0 - 4.5 ft.</p> <p><b>GROUT</b> Type NA Interval NA</p> <p><b>SEAL</b> Type Bentonite Pellets Interval 2.8 - 4.5 ft.</p> <p><b>FILTERPACK</b> Type Medium Sand Interval 4.5 - 9.5 ft.</p> <p><b>SCREEN</b> Diameter 2 inch Type Sch 40 PVC 0.01 inch slot Interval 4.5 - 9.5 ft.</p> <p><b>LEGEND</b></p> <div>  FILTER PACK   BENTONITE   CEMENT GROUT   CUTTINGS / BACKFILL   STATIC WATER LEVEL </div> <div> <p>TOC TOP OF CASING GS GROUND SURFACE BS BENTONITE SEAL FP FILTER PACK TSC TOP OF SCREEN BSC BOTTOM OF SCREEN TD TOTAL DEPTH CG CEMENT GROUT</p> </div>



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COMPLETION REPORT OF  
WELL No. B240A

Sheet 1 of 1

MONITORING WELL 00-337A-GPJ S&ME GDT 10/25/00

# COMPLETION REPORT OF WELL No. B240B

Sheet 1 of 1

PROJECT: Congaree Levee  
PROJECT NO: 1611-00-937  
PROJECT LOCATION: Columbia, South Carolina

WATER LEVEL 21 feet at time of boring, 18.1 feet on 10/16/00.

DRILLING CONTRACTOR:

LATITUDE:

LONGITUDE:

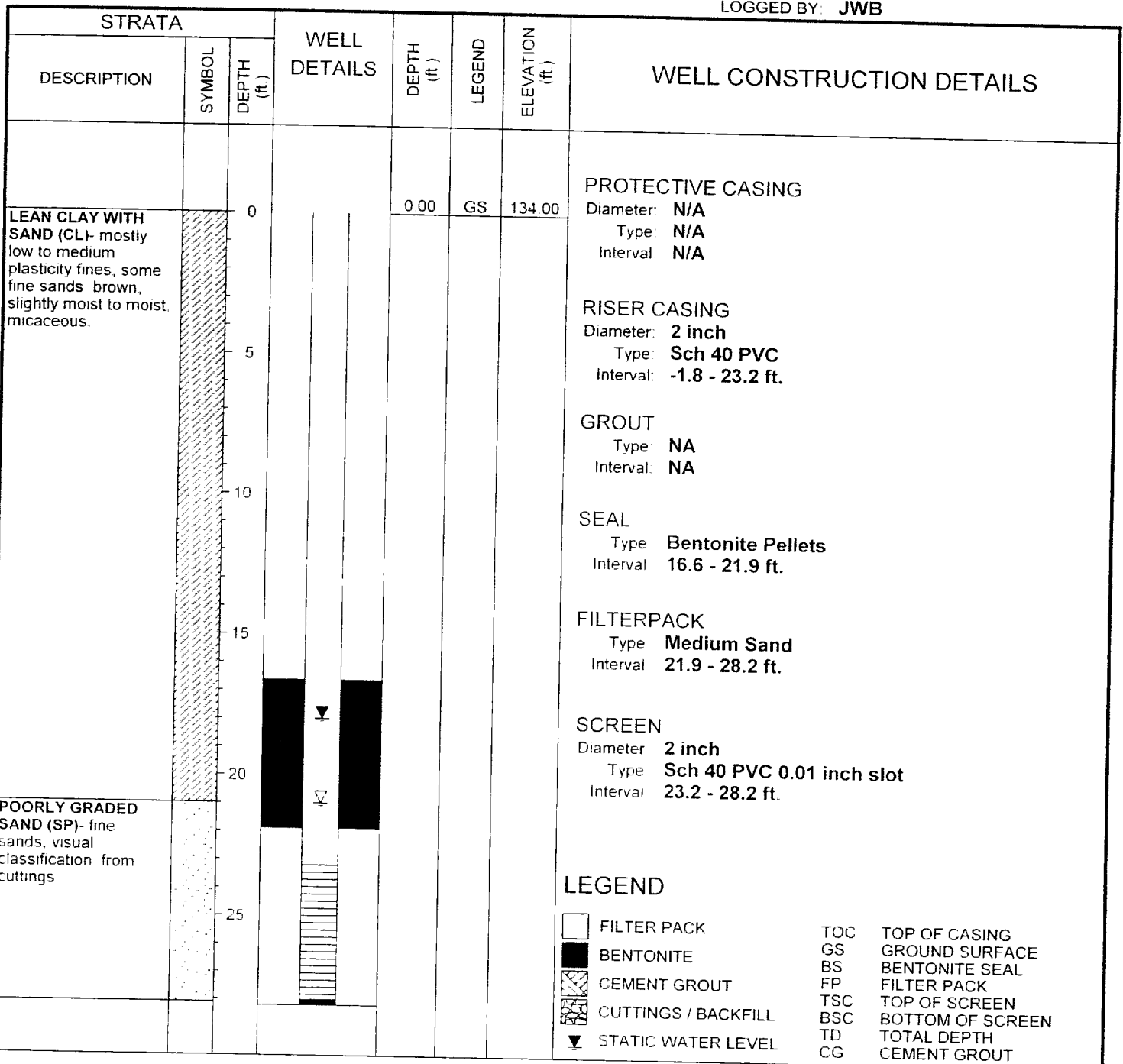
DRILLING METHOD: 4 1/4" H.S.A.

TOP OF CASING ELEVATION: 135.80

DATE DRILLED: 10/4/00

DATUM: MSL

LOGGED BY: JWB



134 Suber Road  
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COMPLETION REPORT OF  
WELL No. B240B

Sheet 1 of 1

# COMPLETION REPORT OF WELL No. B253A

Sheet 1 of 1

PROJECT: Congaree Levee  
PROJECT NO: 1611-00-937  
PROJECT LOCATION: Columbia, South Carolina

WATER LEVEL 11.5 feet at time of boring,  
14.3 feet on 10/14/00.

DRILLING CONTRACTOR:

LATITUDE

LONGITUDE:

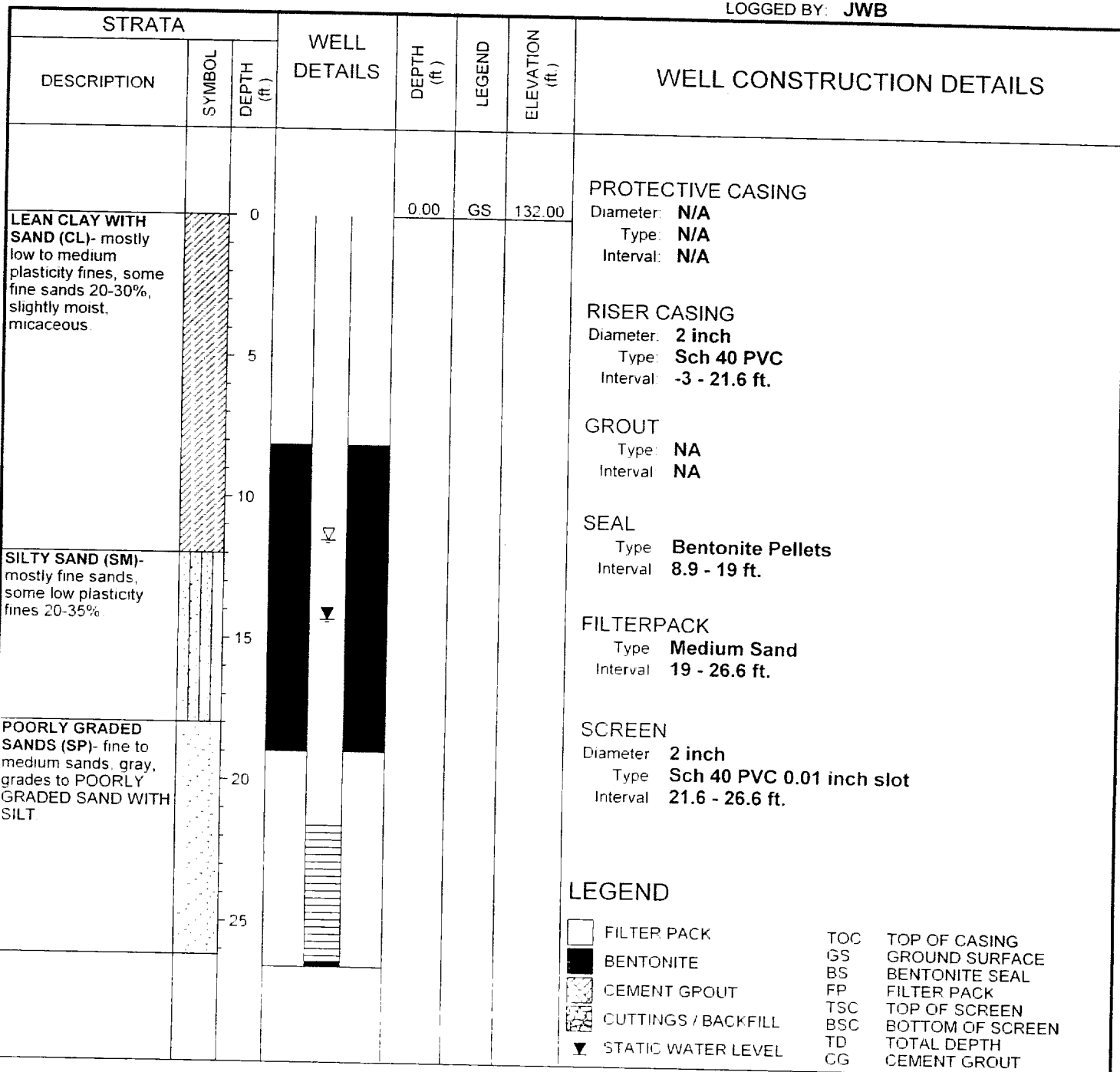
DRILLING METHOD: 4 1/4" H.S.A.

TOP OF CASING ELEVATION: 135.00

DATE DRILLED: 10/5/00

DATUM: MSL

LOGGED BY: JW B



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COMPLETION REPORT OF  
WELL No. B253A

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# COMPLETION REPORT OF WELL No. B253B

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PROJECT: Congaree Levee  
PROJECT NO: 1611-00-937  
PROJECT LOCATION: Columbia, South Carolina

WATER LEVEL: 11.5 feet at time of boring, 14 feet on 10/14/00.

DRILLING CONTRACTOR:

DRILLING METHOD: 4 1/4" H.S.A.

DATE DRILLED: 10/5/00

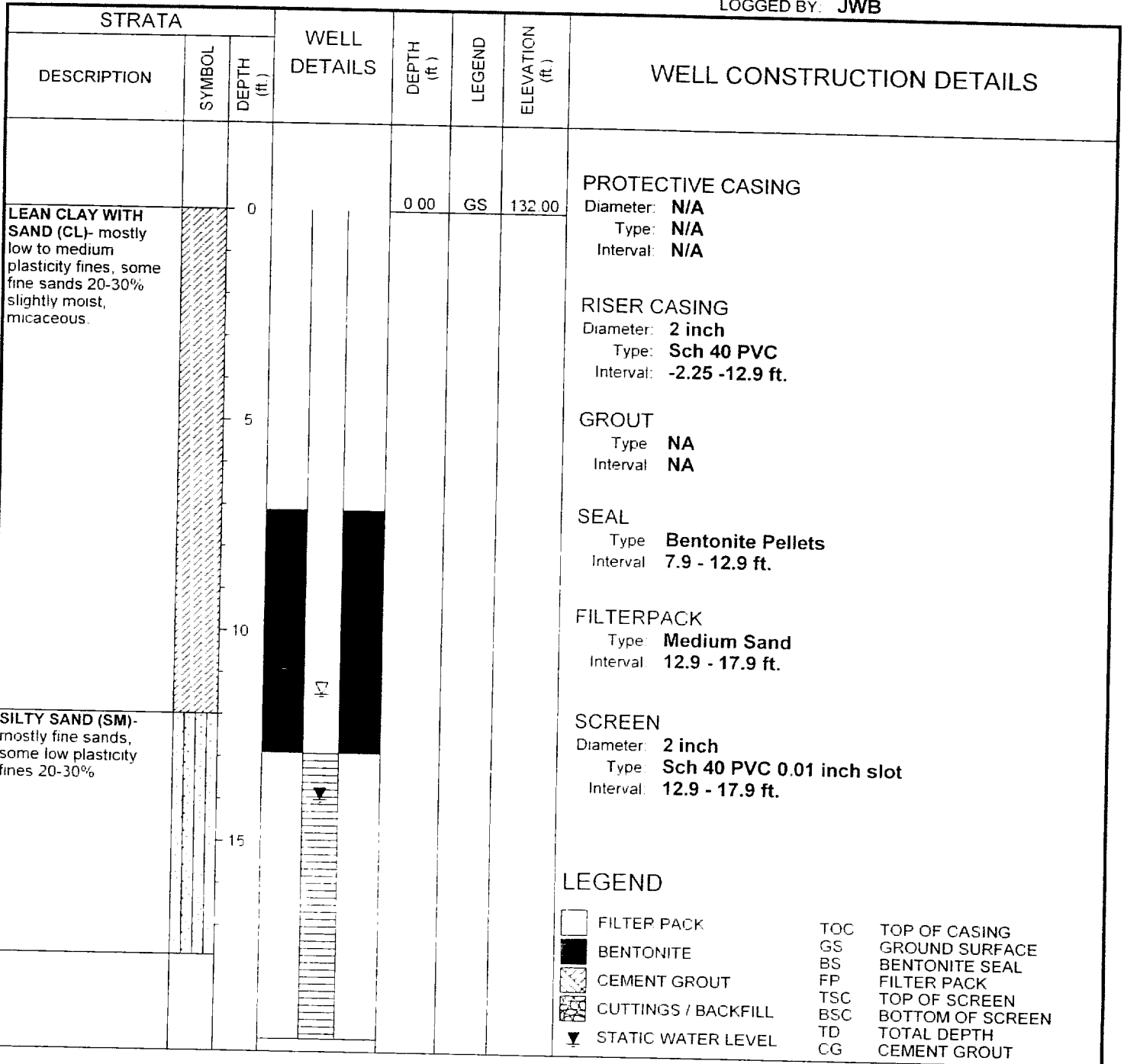
LATITUDE:

LONGITUDE:

TOP OF CASING ELEVATION: 134.30

DATUM: MSL

LOGGED BY: JWB



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COMPLETION REPORT OF  
WELL No. B253B

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# COMPLETION REPORT OF WELL No. B253C

Sheet 1 of 1

PROJECT: Congaree Levee  
PROJECT NO: 1611-00-937  
PROJECT LOCATION: Columbia, South Carolina

WATER LEVEL: Dry at time of boring. Dry on 10/16/00.

DRILLING CONTRACTOR:

DRILLING METHOD: 4 1/4" H.S.A.

DATE DRILLED: 10/5/00

LATITUDE

LONGITUDE

TOP OF CASING ELEVATION 132.50

DATUM MSL

LOGGED BY JWB

STRATA			WELL DETAILS	DEPTH (ft.)	LEGEND	ELEVATION (ft.)	WELL CONSTRUCTION DETAILS
DESCRIPTION	SYMBOL	DEPTH (ft.)					
LEAN CLAY WITH SAND (CL)- mostly low to medium plasticity fines, some fine sands 20-30%, slightly moist, micaceous.		0		0.00	GS	132.00	<p><b>PROTECTIVE CASING</b> Diameter: N/A Type: N/A Interval: N/A</p> <p><b>RISER CASING</b> Diameter: 2 inch Type: Sch 40 PVC Interval: -.5 - 3.9 ft.</p> <p><b>GROUT</b> Type: NA Interval: NA</p> <p><b>SEAL</b> Type: Bentonite Pellets Interval: 1.5 - 3.9 ft.</p> <p><b>FILTERPACK</b> Type: Medium Sand Interval: 3.9 - 8.9 ft.</p> <p><b>SCREEN</b> Diameter: 2 inch Type: Sch 40 PVC 0.01 inch slot Interval: 3.9 - 8.9 ft.</p> <p><b>LEGEND</b></p> <div>  FILTER PACK   BENTONITE   CEMENT GROUT   CUTTINGS / BACKFILL   STATIC WATER LEVEL </div> <div> <p>TOC TOP OF CASING</p> <p>GS GROUND SURFACE</p> <p>BS BENTONITE SEAL</p> <p>FP FILTER PACK</p> <p>TSC TOP OF SCREEN</p> <p>BSC BOTTOM OF SCREEN</p> <p>TD TOTAL DEPTH</p> <p>CG CEMENT GROUT</p> </div>

MONITORING WELL 00-937-A.GPJ S&ME GDT 10/25/00



134 Suber Road  
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COMPLETION REPORT OF  
WELL No. B253C

Sheet 1 of 1

# APPENDIX D

Borehole	Depth	Liquid Limit	Plastic Limit	Plasticity Index	Dry Unit Weight (pcf)	% < #200 Sieve	Classification	Opt Moisture Content	Dry Density (pcf)	Water Content (%)	CBR
B 102 A	23.0					2.6	SP				
B 102 B	8.0					37.6	SM			8.6	
B 126 A	6.0	46	26	20		79.5	CL			17.9	
B 126 B	7.0	46	24	22		84.9	CL			35.3	
B 127 A	20.0					35.7	SM			7.5	
B 141 A	10.0					17.5	SM			4.8	
B 141 B	23.0					17.0	SM			9.4	
B 240 A	9.0	41	25	16		87.3	CL			19.9	
B 240 B	23.0						SP				
B 253 A	23.0					10.0	SP-SM			34.2	
B 253 B	17.0					17.0	SM				
B 254 C	9.0	44	24	20		80.5	CL				



### Summary of Laboratory Results

Project CONGAREE LEVEE

Location COLUMBIA, SOUTH CAROLINA

Number: 1611-00-937